



<b>TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97(b), 1.97(c), or 1.97(d)</b>			<b>Attny. Docket No. 1998B076E</b>
<b>In Re Application of: Paul K. Ladwig et al.</b>			
<b>U.S. Serial No. 09/574,261</b>	<b>Filing Date May 19, 2000</b>	<b>Examiner Walter D. Griffin</b>	<b>Group Art Unit 1764</b>

Address to:  
**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**37 CFR § 1.97(b)**

- ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.

**37 CFR § 1.97(c)**

- ☐ The Information Disclosure Statement submitted herewith is being filed after three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); after three months of the date of entry of the national stage as set forth in § 1.491 in an international application; after the mailing of a first Office Action on the merits; or after the mailing of a first Office Action after the filing of a request for continued examination under § 1.114, but before the mailing date of:

1. a Final Action under § 1.113,
2. a Notice of Allowance under § 1.311, or
3. an action that otherwise closes prosecution in the application,

and is accompanied by either:

- ☐ the fee as set forth in § 1.17(p), or
- ☐ the following statement under § 1.97(e)(1): each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

**37 CFR § 1.97(d)**

- ☐ The Information Disclosure Statement submitted herewith is being filed after a Final Action under § 1.113, a Notice of Allowance under § 1.311, or an action that otherwise closes prosecution in the application, but before, or simultaneously with, the payment of the issue fee. Submitted herewith is the fee as set forth in § 1.17(p) and the following statement under 37 CFR § 1.97(e)(1): each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

Applicant hereby request consideration of the Information Disclosure Statement, USPTO form 1449, submitted herewith.

☒ Legible copies of the references are enclosed.

☒ This application is a:

☐ Continuation / Divisional,

☒ Continuation-in-Part,

of U.S.S.N. 09/073,085, filed May 5, 1998, now U.S. Patent 6,069,287. Copies of the cited references are ☒ enclosed; ☐ not enclosed. References are available in the parent application(s) if not enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required by this paper, or credit any overpayment, to Deposit Account Number 05-1712. A duplicate copy of this form is enclosed.

Date

4/30/04

  
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APR 30 2004

FORM - 1449

SHEET 1 OF 5

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

1998B076E

SERIAL NO.

09/574,261

APPLICANT

Paul K. Ladwig et al.

FILING DATE

May 19, 2000

GROUP

1764

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	3,533,937	10/13/70	Stankis	208	62	
	AB	3,770,618	11/06/73	Adams et al.	208	216	
	AC	3,801,494	04/02/74	Moore et al.	208	79	
	AD	3,899,543	08/12/75	Cosyns et al.	260	667	
	AE	3,957,625	05/18/76	Orkin	208	211	
	AF	3,959,116	05/25/76	Arey, Jr. et al.	208	66	
	AG	4,176,049	11/27/79	Winter et al.	208	70	
	AH	4,177,136	12/04/79	Herrington et al.	208	215	
	AI	4,390,413	06/28/83	O'Rear et al.	208	61	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AJ	EP 0 022 883 B1	11/23/83	Europe	C10G	69/04		
	AK	EP 0 093 475 A1	11/09/83	Europe	C10G	35/06		
	AL	EP 0 109 060 B1	03/11/87	Europe	C07C	11/06		

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\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant

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**May 19, 2000****1764****U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,927,526	05/22/90	Anderson et al.	208	152	
	AB	4,975,179	12/04/90	Harandi et al.	208	66	
	AC	5,041,208	08/20/91	Patridge et al.	208	138	
	AD	5,047,142	09/10/91	Sherwood, Jr. et al.	208	251 H	
	AE	5,143,596	09/01/92	Maxwell et al.	208	89	
	AF	5,160,424	11/03/92	Le et al.	208	67	
	AG	5,220,089	06/15/93	Le et al.	585	643	
	AH	5,286,373	02/15/94	Sudhakar et al.	208	216	
	AI	5,346,609	09/13/94	Fletcher et al.	208	89	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AJ	EP 0 235 416 B1	02/06/91	Europe	C10G	35/095		
	AK	EP 0 420 326 B1	02/15/95	Europe	C10G	35/095		
	AL	EP 0 557 527 B1	02/28/96	Europe	C10G	35/095		

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,347,061	09/13/94	Harandi et al.	585	323	
	AB	5,348,928	09/20/94	Kukes et al.	502	306	
	AC	5,358,633	10/25/94	Dai et al.	208	216 R	
	AD	5,409,596	04/25/95	Fletcher et al.	208	89	
	AE	5,468,372	11/21/95	Seamans et al.	208	216 R	
	AF	5,525,211	06/11/96	Sudhakar et al.	208	217	
	AG	5,576,256	11/19/96	Monque et al.	502	61	
	AH	5,643,441	07/01/97	Timken et al.	208	89	
	AI	5,770,047	06/23/98	Salazar et al.	208	254 R	

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		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AJ	EP 0 921 179 A1	06/09/99	Europe	C10G	11/05		
	AK	EP 0 921 181 A1	06/09/99	Europe	C10G	11/05		
	AL	WO 98/53030 A1	11/26/98	PCT	C10G	69/08		
	AM	WO 01/04237 A2	01/18/01	PCT	C10G	11/00		

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	AA	5,846,403	12/08/98	Swan et al.	208	113	
	AB	5,951,963	09/14/99	He et al.	423	713	
	AC	5,985,136	11/16/99	Brignac et al.	208	216 R	
	AD	5,997,728	12/07/99	Adewuyi et al.	208	120.01	
	AE	6,126,812	10/03/00	Drake et al.	208	134	
	AF	6,126,814	10/03/00	Lapinski et al.	208	217	
	AG	6,388,152	05/14/02	Ladwig et al.	585	330	
	AH	6,489,530	12/03/02	Stuntz	585	648	
	AI						
	AJ						
	AK						

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							

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OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

AD	Abstract, Elvers B. et al., "Ullmann's Encycl. Industrial Chemistry", 1992, Vch Verlag, Weinheim, DE, Volume A21, pages 518-519, paragraph 2.1.1, "Propene" (XP002174091)
AE	Abstract, Moore, E.P., "Monomer Supply", Polypropylene Handbook, 1996, Hanser Publ., Munich, DE, pages 262-264, paragraph 7.1.4, (XP002174092)
AF	Derouane et al., "Synthesis and Characterization of ZSM-5 Type Zeolites", Applied Catalysis, Vol. 1, pp. 201-224, (1981).
AG	Fleisch et al., "Hydrothermal Dealumination of Faujasites", Journal of Catalysis, Vol. 99, pp. 117-125 (1986).
AH	Gross et al., "Surface composition of dealuminated Y zeolites studied by X-ray photoelectron spectroscopy", Zeolites, Vol. 4, Number 1, pp. 25-29, (January, 1984)
AI	Hsing, L.H. et al., "Cracking of FC and Coker Naphthas by ZSM-5 Catalyst and Equilibrium FC Catalyst", Preprints, Vol. 39, No. 3, July 1994, pp. 388-392 (XP000984372) American Chemical Society, Washington, DC
AJ	Jacobs et al., "Framework Hydroxyl Groups of H-ZSM-5 Zeolites", J. Phys. Chem., Vol. 86, pp. 3050-3052 (1982).
AK	Derouane et al., "Concerning the Aluminum Distribution Gradient in ZSM-5 Zeolites", Journal of Catalysis, Vol. 71, pp. 447-448, (1981).
AL	Kung, "Intrinsic activities and pore diffusion effect in hydrocarbon cracking in steamed Y zeolite", Studies in Surface Science and Catalysis, Vol. 122, pp. 23-33, (1999, Elsevier).
AM	Meyers et al., "A Multitechnique Characterization of Dealuminated Mordenites", Journal of Catalysis, Vol. 110, pp. 82-95 (1988).
AN	Von Ballmoos et al., "Three-Dimensional Mapping of the Zoned Aluminum Distribution in ZSM-5", Proceedings of the Sixth International Zeolite Conference, Reno, NV, July 10-15, 1983, published by Butterworths & Co., Guildford, Engl., pp. 803-811, (1984).

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